西北地质

第 56 卷 第 4 期 2023 年 (总 230 期)

NORTHWESTERN GEOLOGY

Vol. 56 No. 4 2023 (Sum230)

目 次

中国新疆中亚大地构造单元划分及演化简述
张向飞,陈莉,曹华文,彭智敏,陈奋宁,洪俊,任飞,王启宇,姜丽莉,高慧,潘桂棠,李文昌(1)
新疆油田百72 井火山地层层序、时代及其与后山层型剖面对比 ····································
新疆洲田日 /2 开火川地层层序、时代及其与后川层型削围刈比
准噶尔盆地沙湾凹陷风城组储层特征及物性控制因素分析
·····································
准噶尔盆地南缘中段山前复杂构造变形特征及形成演化
新疆北部可可托海地区伟晶岩脉 LA-ICP-MS 锆石 U-Pb 年龄、地球化学、Lu-Hf 同位素特征及其地质意义 ·······
阿尔金造山带南缘晚奥陶世碱性辉长岩成因及其大地构造意义
·····································
阿尔金南缘清水泉堆晶岩年代学、地球化学特征及其地质意义 … 段星星,张越,袁彦伟,韩宝华,董越,何峻岭(103)
新疆东昆仑大沙沟地区水系沉积物测量地球化学特征及找矿方向研究 … 孔祥超, 万鹏, 卢文姬, 孙景耀, 宁雨鹏(116)
矿山生态修复 ***原因对 是不性效 原因 发现
蒿坪河流域石煤矿区河流铝的白色污染及其成因分析 ····································
矿山酸性水中铝相次生矿物及环境学意义的研究进展 陈华清,张天亮,龚慧山,徐友宁,周建伟(141)
某钼矿集中开采区尾矿库排水重金属环境风险等级及其贡献率分析 贾晓丹,王晖,徐友宁(152)
石煤矿区酸性废水稳定同位素特征及地质意义
某地陈家沟河水中重金属元素时空变化及影响因素研究 龚慧山,徐友宁,陈华清,柯海玲(169)
生态地质 西北地区生态系统碳汇时空分布特征及相关驱动因子分析
地质建造对土壤性质的制约及其生态环境效应——以西昌地区红壤为例
浅析地表基质的本质内涵及研究方向 董天钰, 刘晓煌, 常铭, 邢莉圆, 王然(213)
西南山区牛态地质调查技术方法研究
欧阳渊, 刘洪, 张景华, 唐发伟, 张腾蛟, 黄勇, 黄瀚霄, 李富, 陈敏华, 宋雯洁(218)
水文地质
黑河干流中游地区近 40 年来地下水环境变化特征及其成因 ························· 冯 嘉 兴,蒙琪,王 茜 (243)
大凌河流域 1998~2019 年 NDVI 时空变化及其对气温和降水的响应 ····································
·····································
汉中盆地地下水水化学特征及其成因研究 ····································
非主题稿件
LA-ICP-MS U-Pb 定年技术相关问题探讨 ························· 李艳广, 靳梦琪, 汪双双, 吕鹏瑞 (274)
祁连山-柴北缘地区岩浆活动的时空分布、成因演变及构造岩浆演化 李平, 高晓峰, 吕鹏瑞, 朱小辉, 陈隽璐(283)
西大别大悟地区闪长玢岩岩石地球化学特征及其构造意义 曹 正琦, 蔡逸涛, 周 向辉, 戚 文 龙, 丁 文 秀 (318)
汉南杂岩高桥沟花岗斑岩体岩石地球化学特征及侵位机制时代归属探讨 吴新斌,吴凡,毛友亮,李岩(329)
机器学习算法在地球物理测井中的适用性及应用 程希,周军,傅海成,罗雄民(336)

本期责任编辑: 吕鹏瑞 编辑: 曹佰迪, 姜寒冰, 贾晓丹

期刊基本参数: CN61-1149/P * 1964 * b * A4 * 348 * zh * P * ¥ 50.00 * 1000 * 25 * 2023-08

西北地质

NORTHWESTERN GEOLOGY

Vol. 56 No. 4 2023(Sum230)

CHIEF CONTENTS

Division of Tectonic Units and Their Evolutions within Xinjiang, China to Central Asia	
ZHANG Xiangfei, CHEN Li, CAO Huawen, PENG Zhimin, CHEN Fenning, HONG Jun, REN Fei,	
WANG Qiyu, JIANG Lili, GAO Hui, PAN Guitang, LI Wenchang (1	.)
Volcanic Stratigraphic Sequence, Age and Comparison with Mountain Layer Type Profile of Bai 72 Well in Xinjiang Oilfield	
LIU Kai, ZHANG Xinyuan, LI Yongjun, LI Xiaoshan, QIN Jianhua, WANG Xin, WANG Tao (40	0)
Controlling Factors on Physical Property and Reservoir Characters of Fengcheng Formation in Shawan Depression, Junggar Basin	
UIA Chunming, PAN Tuo, YU Haitao, YUE Xiwei, ZHANG Jie, KUANG Hao, YU Jingwei (45	9)
Complex Tectonic Deformation Characteristics, Formation and Evolution of the Mountain Front in the Middle Part of the Southern Margin of Junggar Basin	
GUO Wenjian, JIANG Yanliang, BIAN Baoli, YUAN Bo, ZHANG Xuecai, WU Kongyou, SUN Wenjie, LI Tianran (62 LA-ICP-MS Zircon U-Pb Isotopic Age, Geochemistry, Lu-Hf Isotopic Characteristics and Geological Significance of Pegmatite Vein, in Koktokay Area,	
Northern Xinjiang LIN Xinwang, WANG Xing, ZHANG Yafeng, ZHAO Duanchang, ZHAO Jianglin, LIU Kun (5)
Petrogenesis and Tectonic Implications of Late Ordovician Alkaline Gabbro in the South Altyn Orogenic Belt	
······ CHEN Ning, ZENG Zhongcheng, ZHAO Duanchang, ZHANG Ruoyu, LI Qi, ZHAO Jianglin, WANG Tianyi, LIU Xiangdong (9)	1)
Geochronology, Geochemistry and Geological Significance of Cumulates in Qingshuiquan Region, South Altyn Tagh	
DUAN Xingxing, ZHANG Yue, YUAN Yanwei, HAN Baohua, DONG Yue, HE Junling (10	13)
Geochemical Characteristics and Ore-prospecting of Dashagou Area in Fast Kunlun, Xiniiang: Based on Stream Sediment Survey	
KONG Xiangchao, WAN Peng, LU Wenji, SUN Jingyao, NING Yupeng (11	6)
Analysis of White Pollution of River Aluminum in Stone CoalMining Area in Haoping River Basin and Its Causes	
XU Youning, CHEN Huaqing, KE Hailing, GONG Huishan, CHENG Xiuhua, ZHANG Mingzu, WANG Xiaoyong, ZHAO Zhenhong (12	(8)
Research Progress of Aluminum-Phase Secondary Minerals and Their Environmental Significance in Acid Mine Water	
CHEN Huaqing, ZHANG Tianliang, GONG Huishan, XU Youning, ZHOU Jianwei (14	1)
Analysis of Heavy Metal Environmental Risk Level and Contribution Rate of Tailings Storerooms of A Molybdenum Mine	
JIA Xiaodan, WANG Hui, XU Youning (15	(2)
Stable Isotope Characteristics and Geological Significance of Acid Wastewater in a Stone Coal Mining Area	
WANG Xiaoyong, XU Youning, ZHAO Zhenhong, WU Shaobo, DAI Junning (16	2)
Temporal and Spatial Variation and Influencing Factors of Heavy Metals in the Water of the Chenjiagou River in a Certain Place	
GONG Huishan, XU Youning, CHEN Huaqing, KE Hailing (16	9)
Spatial and Temporal Distribution and Driving Factors of Ecosystem Carbon Sink in Northwest China LI Yan'e, WANG Huaqi, LIU Jiang, MA Hongna (18	
Restriction of Geological Formation on Soil Properties and Its Ecological Environmental Effects: Example from Red Soil in the Xichang Area	
HUANG Yong, OUYANG Yuan, LIU Hong, ZHANG Tengjiao, ZHANG Jinghua, LI Tong, WU Junyi, SHAO Lu, GAO Wenlong (19	(6)
Analysis on the Essential Connotation and Research Direction of Surface Substrate	
DONG Tianyu, LIU Xiaohuang, CHANG Ming, XING Liyuan, WANG Ran (21	3)
Exploration Techniques and Methods of the Eco-Geological Survey in Mountainous Region, Southwest China	
OUYANG Yuan, LIU Hong, ZHANG Jinghua, TANG Fawei, ZHANG Tengjiao, HUANG Yong, HUANG Hanxiao, LI Fu, CHEN Minhua, SONG Wenjie (21	8)
Characteristics and Causes of Groundwater Environment Changes in the Middle Reaches of the Mainstream of the Heihe River in Recent 40 Years	
FENG Jiaxing, MENG Qi, WANG Xi (24	3)
NDVI Changes of the Daling River Basin in Growing Seasons During 1998~2019 and Its Correlation with Temperature and Precipitation	
	(4)
Hydrochemical Characteristics and Genesis of Groundwater in the Hanzhong Basin	
ZHAO Lilei, ZHAO Hao, ZHAO Chao, WANG Fan, LI Xinbin, GONG Wenqiang (26	3)
Exploration of Issues Related to the LA-ICP-MS U-Pb Dating Technique LI Yanguang, JIN Mengqi, WANG Shuangshuang, LÜ Pengrui (27	4)
Spatial-Temporal Distribution, Petrogenetic Evolution and Tectono-Magmatic Evolution in Qilian Mountains and Northern Margin of Qaidam	
LI Ping, GAO Xiaofeng, LÜ Pengrui, ZHU Xiaohui, CHEN Junlu (28	(3)
Geochemical Characteristics of Diorite Porphyrite in Dawu Area, Western Dabie and Its Tectonic Significance	
	8)
Petrological Characteristics and Emplacement Mechanism of the Gaoqiaogou Granitic Porphyry in the Hannan Complex: A Geochemistry Approach	
	(9
Applicability and Application of Machine Learning Algorithm in Logging Interpretation CHENG Xi, ZHOU Jun, FU Haicheng, LUO Xiongmin (33)	